

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
 Data File : BM006136.D
 Acq On : 29 Jun 2016 21:39
 Operator : UM/SJ
 Sample : H3779-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YD6

Manual Integrations

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 6/30/2016 7:44:14 PM

Quant Time: Jun 30 03:57:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	265899	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1297933	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	770119	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1691334	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1322474	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1256252	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	6320m	1.10	ng/uL	0.00
3) Phenol-d5	6.82	99	338107	15.56	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	210535	16.44	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	257560	15.45	ng/ul	0.00
6) 4-Methylphenol-d8	8.35	113	289493	16.56	ng/ul	-0.01
8) Nitrobenzene-d5	8.80	128	135701	15.52	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	151184	15.11	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.05	165	276728	15.16	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	292830	20.29	ng/ul	0.00
16) Dimethylphthalate-d6	13.71	166	869941	15.76	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1093367	16.32	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	132009	12.60	ng/ul	0.00
21) Fluorene-d10	15.30	176	756911	16.07	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	110463	18.44	ng/ul	0.00
26) Anthracene-d10	17.14	188	1117670	16.47	ng/ul	0.00
30) Pyrene-d10	19.44	212	1115416	20.95	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	807347	16.15	ng/ul	0.00

Target Compounds

						Qvalue
25) Phenanthrene	17.09	178	271890	3.40	ng/ul	98
28) Fluoranthene	19.11	202	848169	8.65	ng/ul	100
31) Pyrene	19.47	202	651504	9.34	ng/ul	98
32) Benzo(a)anthracene	21.23	228	321979	4.68	ng/ul	95
33) Chrysene	21.28	228	339512	5.36	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	459946	7.05	ng/ul	97
36) Benzo(k)fluoranthene	22.83	252	171834m	2.81	ng/ul	
38) Benzo(a)pyrene	23.36	252	298694	4.85	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.67	276	236394	3.69	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.67	278	67863m	1.28	ng/ul	
41) Benzo(g,h,i)perylene	26.35	276	211991	3.96	ng/ul	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

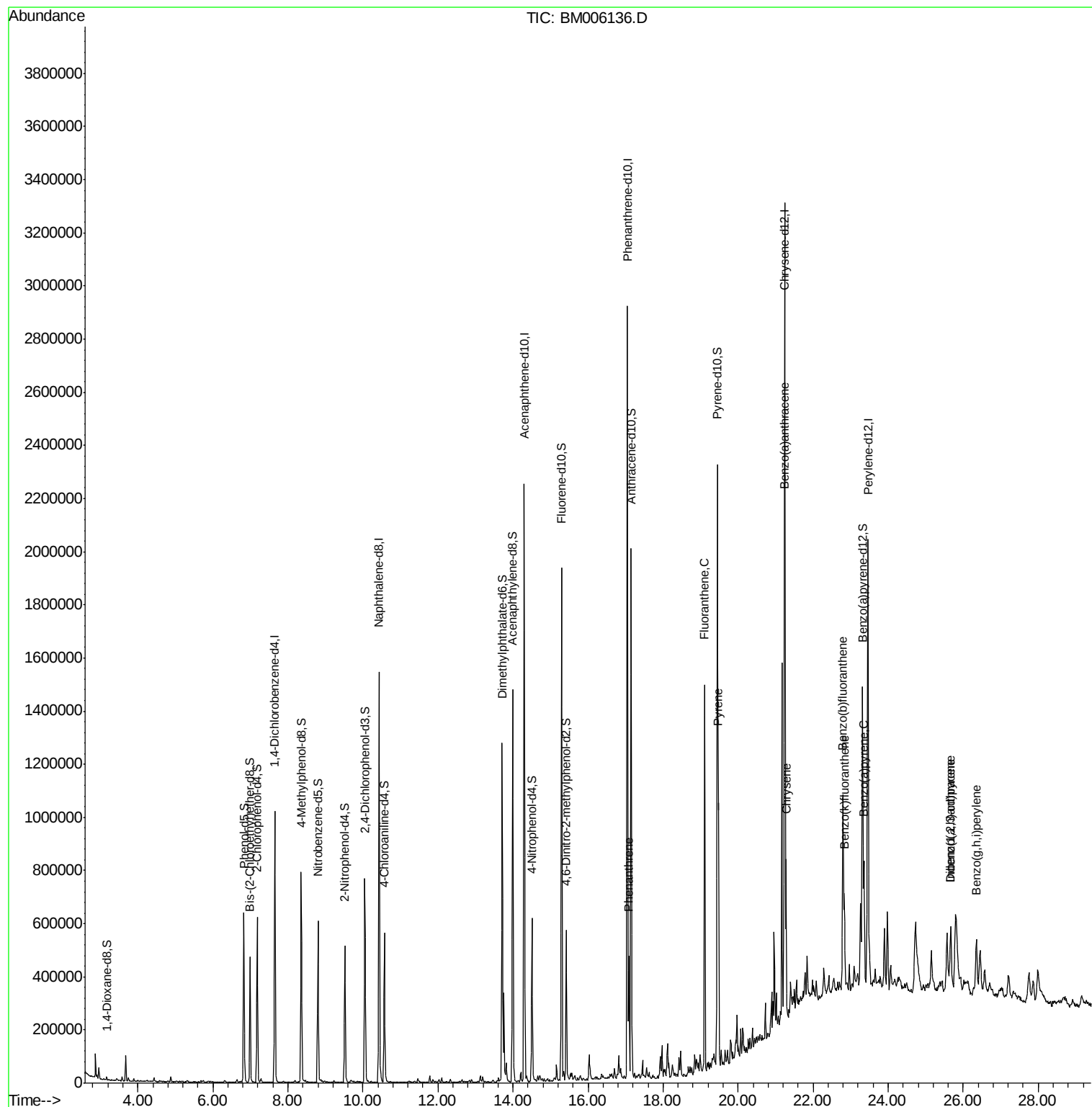
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
Data File : BM006136.D
Acq On : 29 Jun 2016 21:39
Operator : UM/SJ
Sample : H3779-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

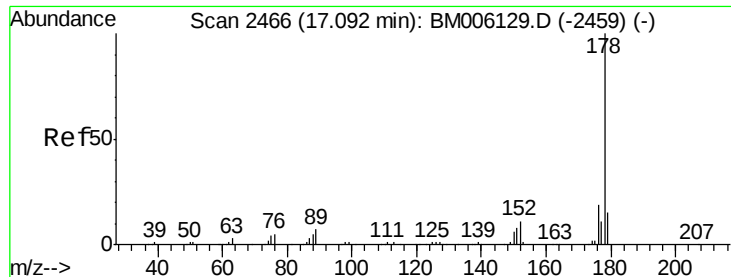
Instrument :
BNA_M
ClientSampleId :
D9YD6

Manual Integrations

Quant Time: Jun 30 03:57:37 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration

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#25

Phenanthrene

Concen: 3.40 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006136.D

Acq: 29 Jun 2016 21:39

Instrument :

BNA_M

ClientSampled :

D9YD6

Tgt Ion:178 Resp: 271890

Ion Ratio Lower Upper

178 100

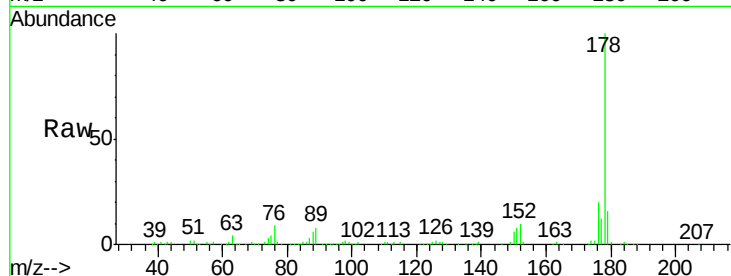
179 15.7 12.2 18.2

176 20.2 15.3 22.9

Manual Integrations

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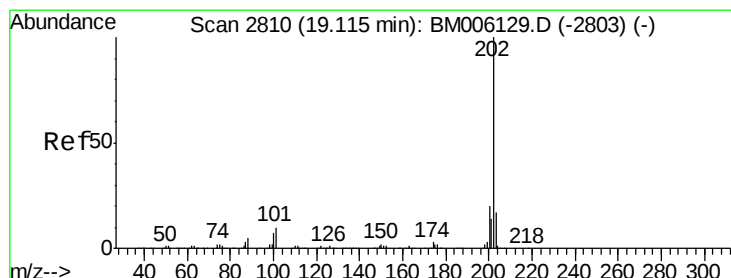
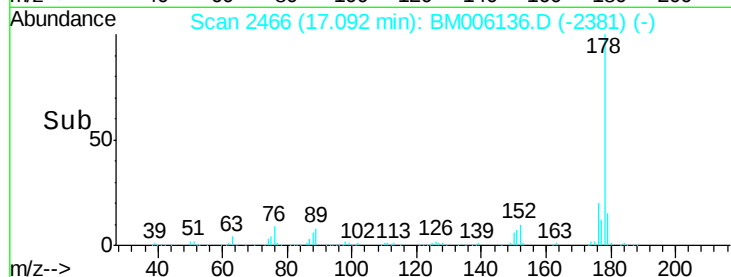
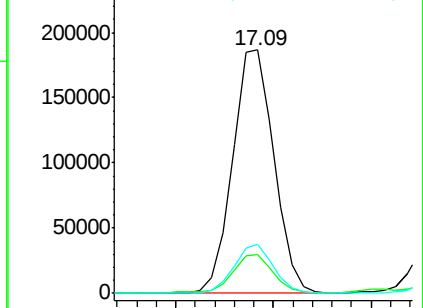
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#28

Fluoranthene

Concen: 8.65 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006136.D

Acq: 29 Jun 2016 21:39

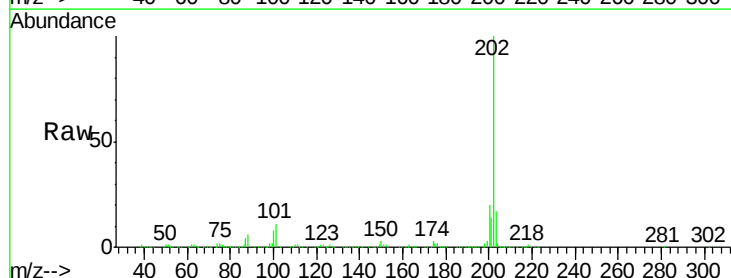
Tgt Ion:202 Resp: 848169

Ion Ratio Lower Upper

202 100

101 10.8 8.5 12.7

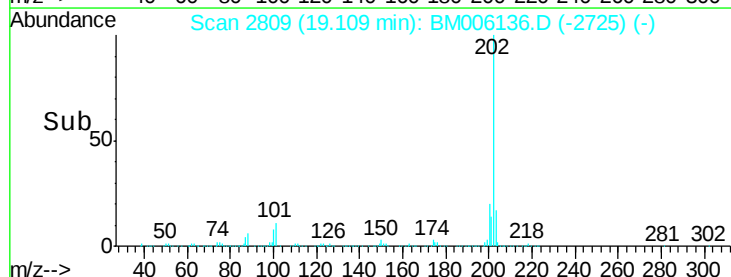
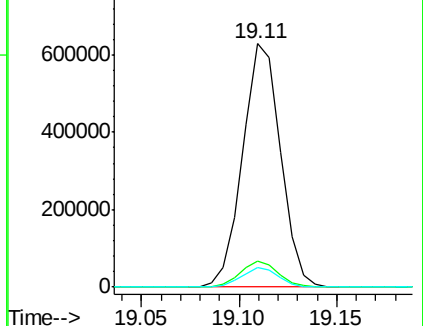
100 8.0 6.5 9.7

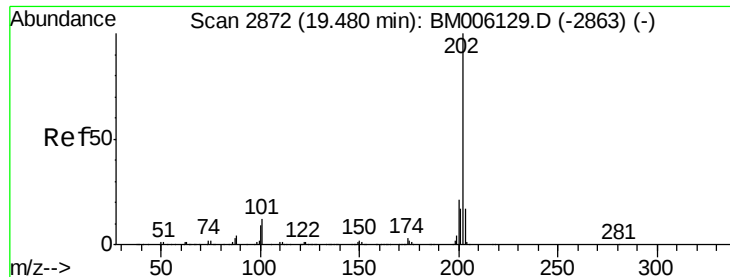


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





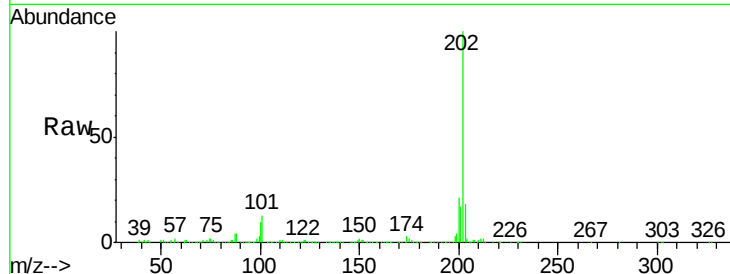
#31
 Pyrene
 Concen: 9.34 ng/ul
 RT: 19.47 min Scan# 2871
 Delta R.T. -0.01 min
 Lab File: BM006136.D
 Acq: 29 Jun 2016 21:39

Instrument :
 BNA_M
 ClientSampleId :
 D9YD6

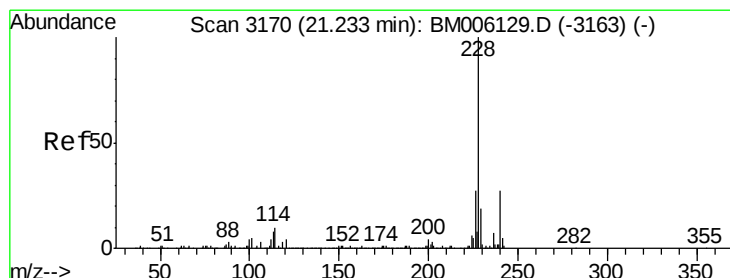
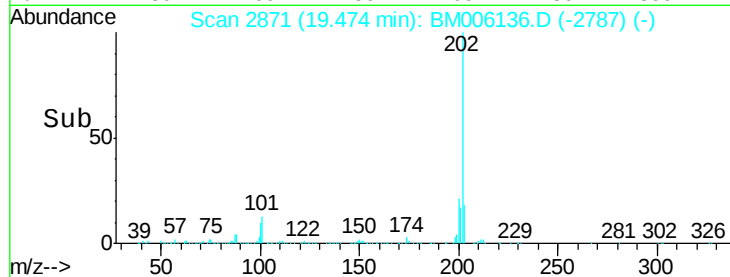
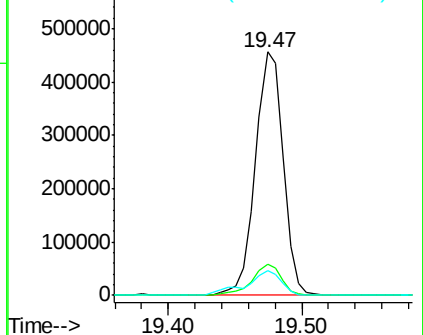
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	11.0	16.4
100	10.3	8.9	13.3

Manual Integrations

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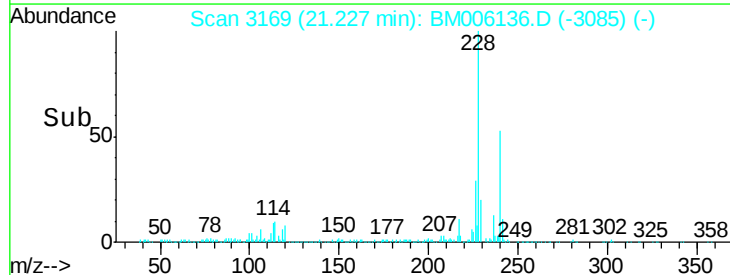
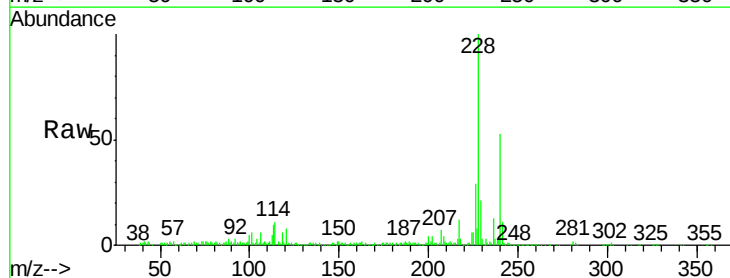
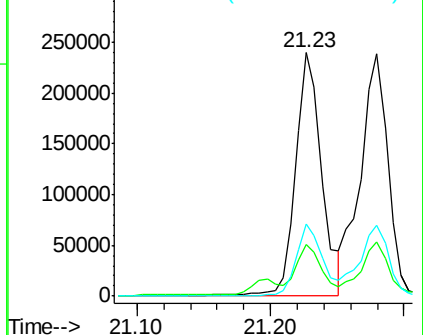
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

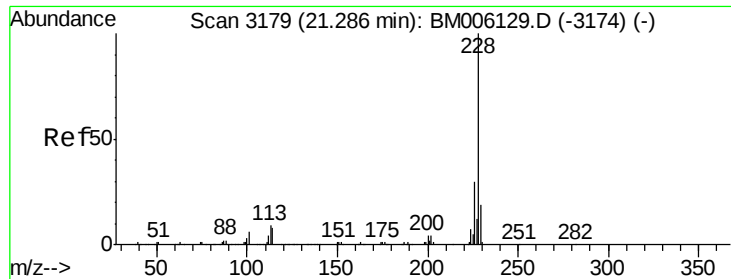


#32
 Benzo(a)anthracene
 Concen: 4.68 ng/ul
 RT: 21.23 min Scan# 3169
 Delta R.T. -0.01 min
 Lab File: BM006136.D
 Acq: 29 Jun 2016 21:39

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.6	23.4
226	29.4	21.6	32.4

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E





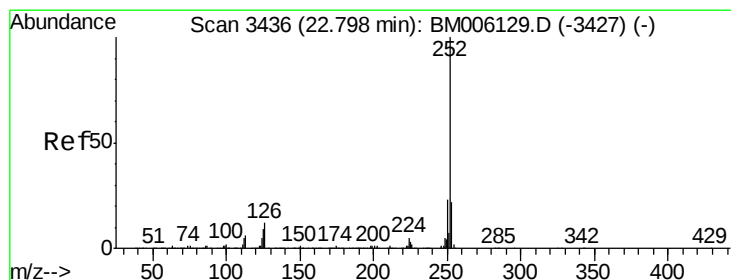
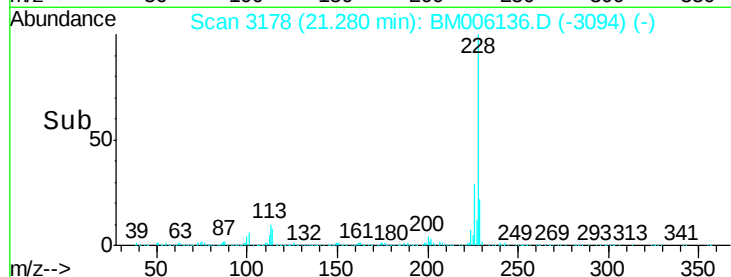
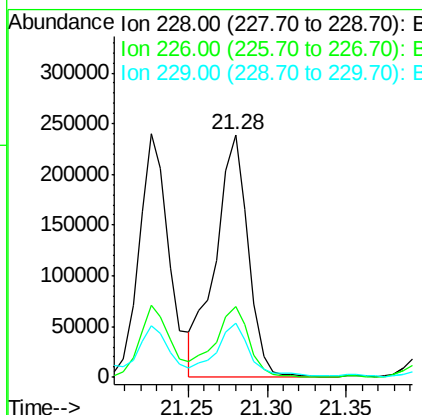
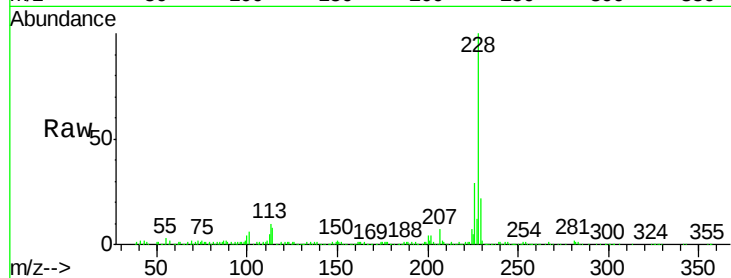
#33
Chrysene
 Concen: 5.36 ng/ul
 RT: 21.28 min Scan# 3178
 Delta R.T. -0.01 min
 Lab File: BM006136.D
 Acq: 29 Jun 2016 21:39

Instrument :
 BNA_M
 ClientSampleId :
 D9YD6

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.8	35.6
229	22.2	15.8	23.6

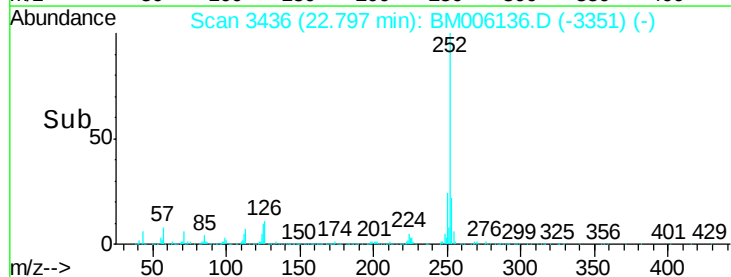
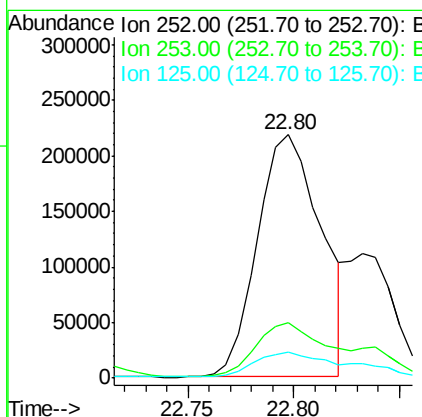
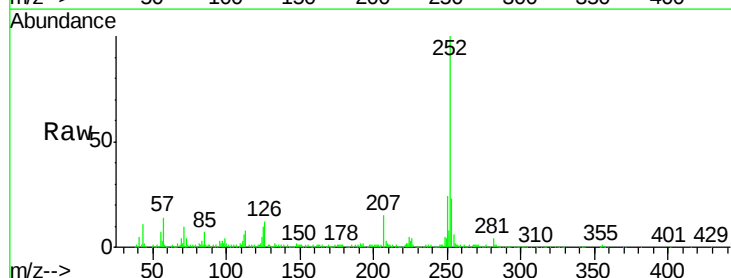
Manual Integrations

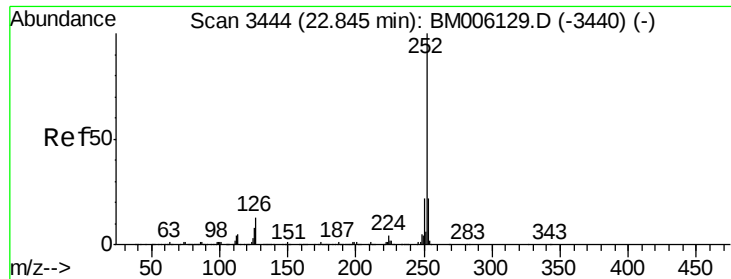
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#35
Benzo(b)fluoranthene
 Concen: 7.05 ng/ul
 RT: 22.80 min Scan# 3436
 Delta R.T. 0.00 min
 Lab File: BM006136.D
 Acq: 29 Jun 2016 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	10.4	7.8	11.6





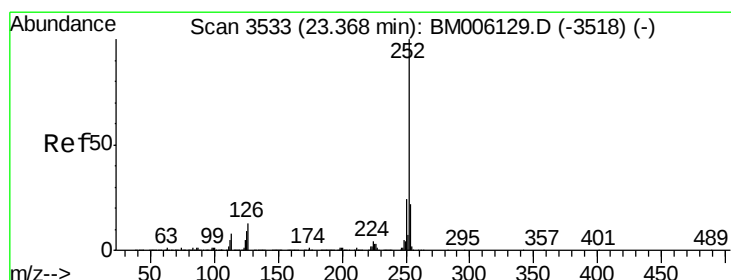
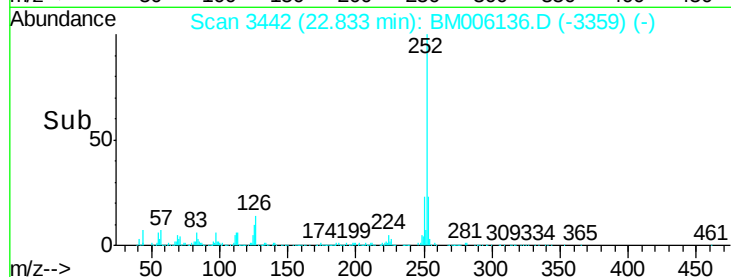
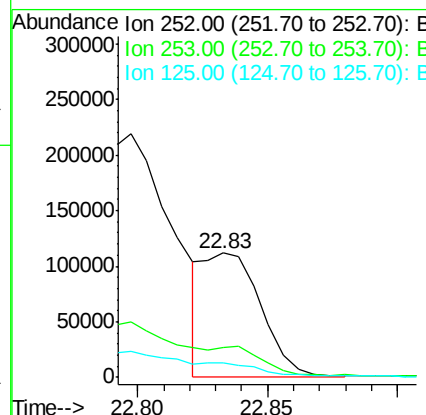
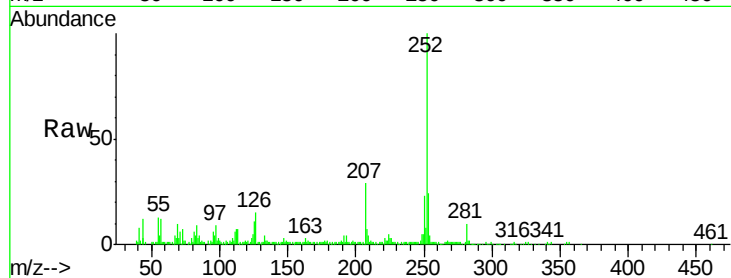
#36
Benzo(k)fluoranthene
Concen: 2.81 ng/ul m
RT: 22.83 min Scan# 3442
Delta R.T. -0.01 min
Lab File: BM006136.D
Acq: 29 Jun 2016 21:39

Instrument :
BNA_M
ClientSampled :
D9YD6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	11.5	8.1	12.1

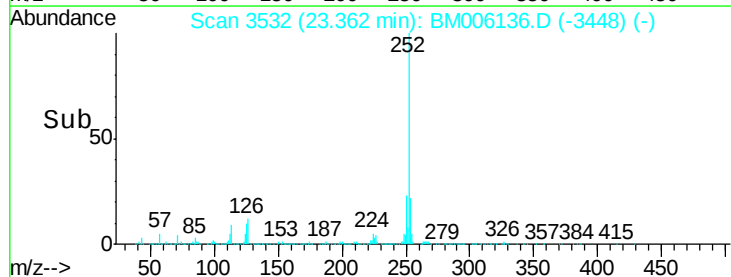
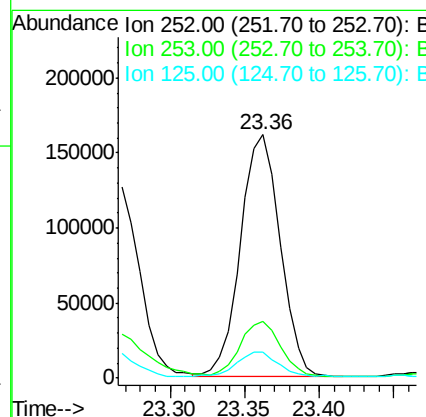
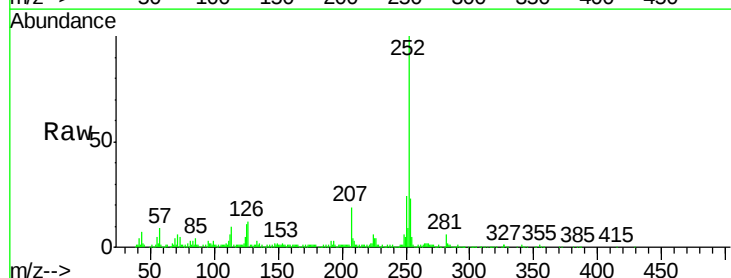
Manual Integrations

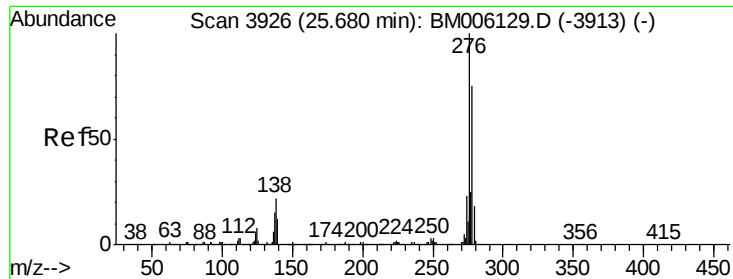
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#38
Benzo(a)pyrene
Concen: 4.85 ng/ul
RT: 23.36 min Scan# 3532
Delta R.T. -0.01 min
Lab File: BM006136.D
Acq: 29 Jun 2016 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	10.6	8.7	13.1





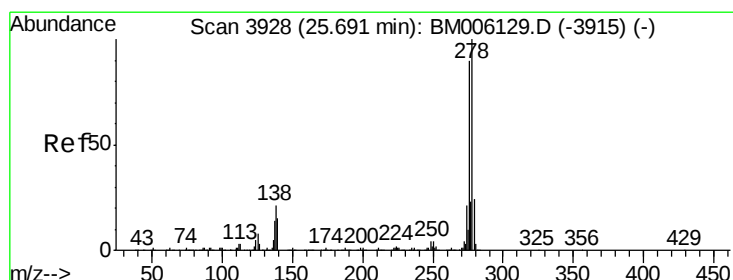
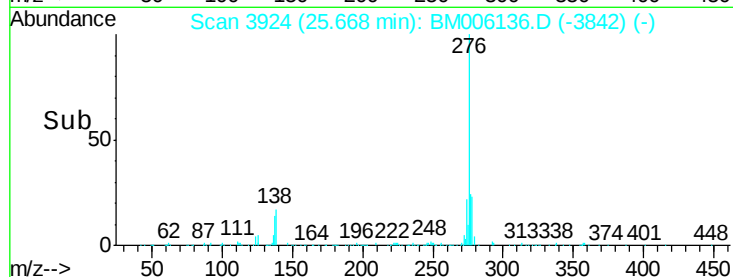
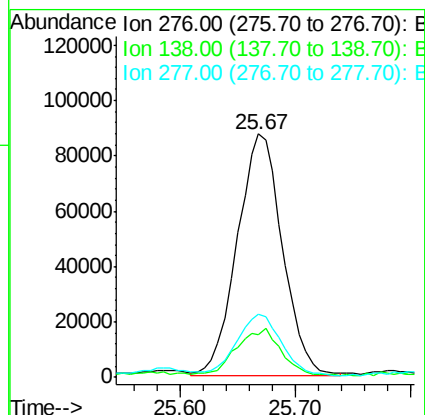
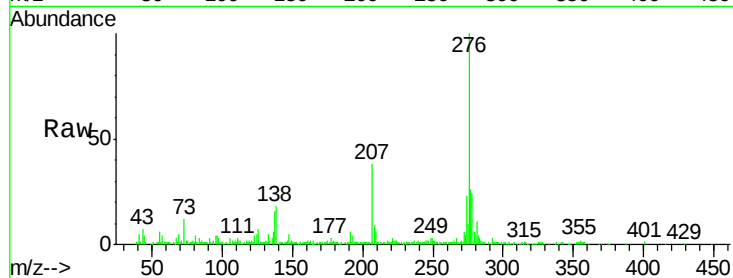
#39
Indeno(1,2,3-cd)pyrene
Concen: 3.69 ng/ul
RT: 25.67 min Scan# 3924
Delta R.T. -0.02 min
Lab File: BM006136.D
Acq: 29 Jun 2016 21:39

Instrument :
BNA_M
ClientSampleId :
D9YD6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	20.4	30.6#
277	25.7	20.6	30.8

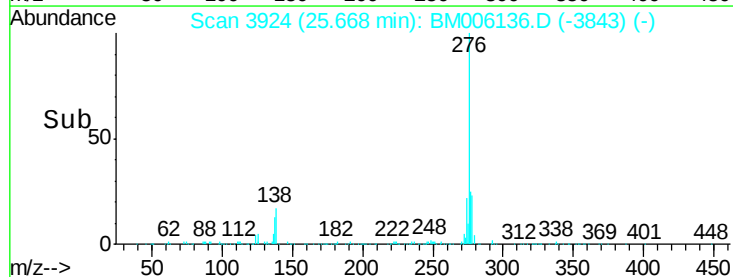
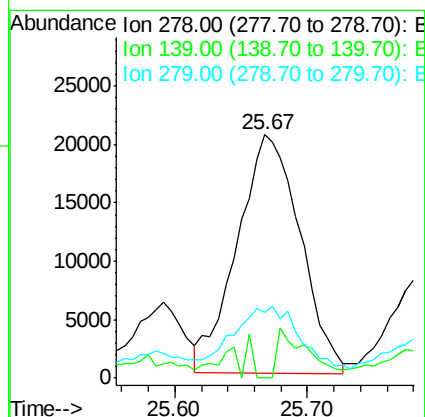
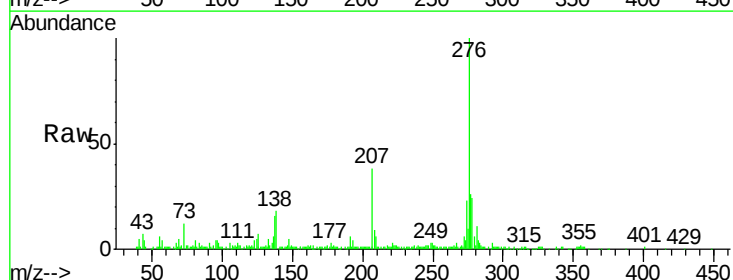
Manual Integrations

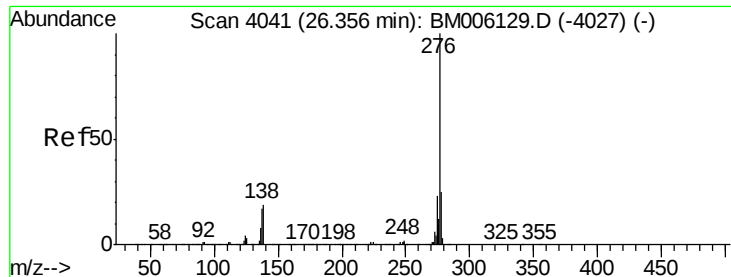
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#40
Dibenzo(a,h)anthracene
Concen: 1.28 ng/ul m
RT: 25.67 min Scan# 3924
Delta R.T. -0.02 min
Lab File: BM006136.D
Acq: 29 Jun 2016 21:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	27.1	18.8	28.2





#41

Benzo(g,h,i)perylene

Concen: 3.96 ng/ul

RT: 26.35 min Scan# 4040

Delta R.T. -0.01 min

Lab File: BM006136.D

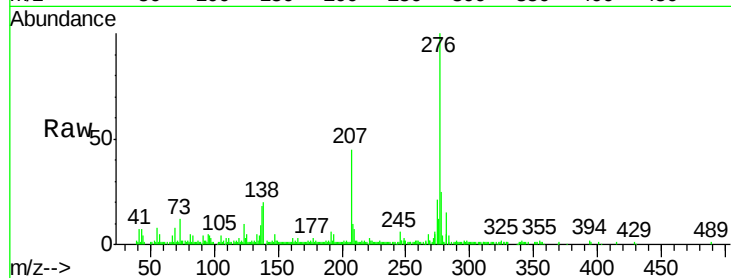
Acq: 29 Jun 2016 21:39

Instrument :

BNA_M

ClientSampleId :

D9YD6



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	20.2	16.6	25.0	
277	24.7	18.9	28.3	

Manual Integrations

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